

Performed **Annual/150 hour inspection** per current Commander Periodic inspection. AD's researched through 2013-02.



Complied with the following Technical Bulletins:

- **AD2012-02-06** "First Turbines" is not applicable by first turbine serial number (both engines).
- **Commander Service Bulletin 241, Rev 1** "Fuselage Attachment to Wing Main Spar- Inspection and Reinforcement" dated 10/26/2012, Parts 1 and 2. This is terminating action for this SB. Completed form 337 for this modification dated Jan. 31, 2013.
- **Garmin Service Bulletin 1225, Rev. A** "GNS400/500 Series Software Upgrade"- upgraded both GNS-430's main software to version 5.0 and GPS software to version 5.0 per SB instructions. Replaced POH Supplement with updated Supplement.
- **Garmin Service Bulletin 1229, Rev. A** "G-600 Primary Flight Display Software Upgrade"- upgraded both G-600 PFD displays to software version 6.11, both AHRS's to software level 3.03 and both ADC's to software level 3.09 per SB instructions.

Performed the following scheduled maintenance:

- Annual engine **magnesium housings** corrosion inspection.
- Annual **ELT** inspection per 14 CFR part 91.207
- **ELT battery** replaced with a *new* battery P/N 452-0133, S/N 357247-066 with expiration date of Jan. 2018).
- Annual **landing gear control** assembly lube.
- Annual **portable fire bottle** weight check.
- Annual **emergency battery** (PS835) capacity check.
- Annual/450 hour **emergency exit** operational check.
- Annual/450 hour **bleed air** system leak check.
- Annual / 500 hour **Keith air conditioner** inspection per STC ICA.
- Annual / 800 hour *initial* **main battery** capacity check.
- 150 hour engine **P-3 filter** cleaning and inspection.
- 450 hour engine **fuel nozzles** cleaning and flow check. Replaced left engine fuel nozzles with 10 each *overhauled* nozzles P/N 3103235-9, -11, IAW Honeywell TPE331-10 EMM 73-10-09. Reference 8130-3 issued by Tennessee Aircraft co. FAA CRS# QTFR573L, and dated 12-12-2012. Replaced right engine fuel nozzles with 10 each *overhauled* nozzles P/N: 3103235-8, -11, IAW Honeywell TPE331-10 EMM 73-10-09. Reference 8130-3 issued by Tennessee Aircraft Co. FAA CRS# QTFR573L, dated: 12-14-2012. Leak check satisfactory.
- 450 hour **hydraulic reservoir filter** change.
- 450 hour **ACM oil change** (BP2380 oil).
- 950 hour **fuel quantity indication** system calibration.
- 950 hour **fuel low warning** system check.
- 5 year **N2 cylinder hydrostatic test**. Inspection and hydrostatic testing of N2 cylinder p/n 710031-501, s/n 81566T accomplished by Aerospace Turbine Rotables Inc., FAA CRS# NV2R045L. Reference FAA form 8130-3 issued by that facility and dated Dec 18, 2012.

Note: determined by log review that both engines are post SB 72-0486, therefore tach/gen spline inspections are no longer required.

Performed the following additional maintenance:

- Replaced emergency exit lock tang springs with *new* springs P/N 330109-67.
- Replaced right side indirect light tube (midway back) with a *new* lamp tube P/N 5113WW.
- Corrected aircraft not pressurizing by replacing 3-way valve with a *new* vacuum shutoff valve P/N 717, S/N 2414A.
- Replaced pilots and copilots rudder pedal boots with *new* boots from Commander Kit No. PK50-2 and PK50-3.
- Replaced flap chafe tape as needed.
- Resealed left aft brake caliper and bled brake.
- Replaced one fastener on left cowl with a *new* fastener P/N 4002-4S.
- Patched wing deice boots as needed and touched edge sealer where necessary
- Replaced right horizontal stabilizer deice boot with a *new* Goodrich boot P/N P25S-7D5015-04, S/N MDAY370.
- Replaced right elevator trim tab actuator fairing with a *new* fairing P/N 440000-719.
- Touched up paint as needed.

- Replaced left main tire with a *new* tire P/N 850T06-3, S/N 2202380.
- Replaced both nose wheel bearings with *new* bearings P/N 13889-2629.
- Repaired center fuel tank vapor box as needed.
- Replaced entry door emergency unlock switch with a *new* switch P/N TIGL5B1CWHFN.
- Reinstalled missing copilot's instrument panel post light.
- Repaired right exhaust fairing using riveted aluminum doublers installed per AC43.13-1B, Chapter 4, Section 4.
- Replaced center lower fuel bladder with a *new* bladder P/N 630204-505, S/N 126.
- Repaired wiring to correct inoperative instrument panel post lights.
- Replaced two missing fasteners in left wing lower spar cap just outboard of the fuselage.
- Replaced right main gear inboard door support arm with a *new* support arm P/N 330093-508.
- Replaced left picture window inner pane with a *new* inner pane P/N 330367-7, S/N 200355.
- Replaced left picture window outer pane with a *new* outer pane P/N 330367-9, S/N 200381.
- Replaced right picture window inner pane with a *new* inner pane P/N 330367-8, S/N 200316.
- Repaired broken wire at stall warning box.
- Repaired coax connector at ELT.
- Replaced ELT connector (airframe side) with a *new* connector P/N 151-5012.
- Replaced left engine start/generator garloc seal with a *new* seal P/N 3103872-1.
- Troubleshoot intermittent fuel quantity indication system, found and corrected faulty shield ground on Hi-Z wire at connector P49A (aft pressure bulkhead). Performed fuel quantity system calibration with no defects.

#### APPROVAL FOR RETURN TO SERVICE

Aero Air LLC certifies that the above airframe/engine has been inspected IAW an **Annual / 150 hour inspection** and has been determined to be in airworthy condition on the above date per the requirements of 14 CFR Part 91.409 (f)(3). Pertinent details are on file at this agency under the above work order.

Signed \_\_\_\_\_

Inspector, Aero Air LLC, CRS# 09IR003Y  
2050 NE 25<sup>th</sup> Ave. Hillsboro, OR 800-448-2376

N13622, Commander 690B, S/N 11469

W.O. MPROP4693

Feb. 14, 2013

ACTT: 8827.1 hours/hobbs: 1250.1 hours

#### Performed the following maintenance:

- Corrected left wing fuel leak by replacing left outboard wing, aft inboard bladder with a *new* bladder P/N 630064-519, S/N 128. Replaced one clamp on left inboard wing, aft outboard bladder, tightened clamps as needed.
- Replaced landing gear squat switch with a *new* switch P/N 800237-15.



#### APPROVAL FOR RETURN TO SERVICE

Aero Air LLC certifies that the above aircraft has been inspected and repaired per current FAR's and is approved for return to service only for the work performed. Pertinent details are on file at this agency under the above work order.

Signed \_\_\_\_\_

Inspector, Aero Air LLC, CRS# 09IR003Y  
2050 NE 25<sup>th</sup> Ave. Hillsboro, OR 800-448-2376

AMERICAN AVIONICS, 7023 PERIMETER RD. SEATTLE, WA 98108

Make/Model: **Rockwell 690B**

Serial Number: **11469**

Tach: **3153.35**

Registration Number: **N13622**

Date: **12 March 2013**

Work/Order: **A13851**

Removed broken ELT antenna and replaced with ARTEX p/n 110-323 s/n 0444

This aircraft was inspected and repaired in accordance with applicable maintenance rules and current FAA Regulations and in regards to the work performed is approved for return to service. Details are on file under work order number : A13851

Signed \_\_\_\_\_

Thomas Kaminski

Inspector (6) CRS# 1AMR980Y